ELSEVIER

Biomembranes

Vol. 1328, 1997

BIOCHIMICA ET BIOPHYSICA ACTA
BBA

Cumulative Contents

Information for Contributors *vii*

Regular papers

The efficiency of antioxidants delivered by liposomal transfer
L.R.C. Barclay, F. Antunes, Y. Egawa, K.L. McAllister, K. Mukai, T. Nishi and M.R. Vinqvist (Canada, Portugal, Japan) 1

Evidence from studies of temperature-dependent changes of D-glucose, D-mannose and L-sorbose permeability that different states of activation of the human erythrocyte hexose transporter exist for good and bad substrates
R.J. Naftalin (UK) 13

Multivalent ganglioside and sphingosine conjugates modulate myelin protein kinases
J.A. Mahoney and R.L. Schnaar (USA) 30

High affinity uptake by isolated rat hepatocytes of a linear pseudo-hexapeptide, ditekiren
R.B. Kim, P.R. Perry and G.R. Wilkinson (USA) 41

Membrane penetration depth and lipid phase preference of acyl-labeled dansyl phosphatidylcholines in phosphatidylcholine vesicles
D. Bartlett, M. Glaser and R. Welti (USA) 48

Membrane permeability and stability of liposomes made from highly fluorinated double-chain phosphocholines derived from diaminopropanol, serine or ethanolamine
L. Clary, G. Verderone, C. Santaella and P. Vierling (France) 55

The use of high-resolution solid-state NMR spectroscopy and differential scanning calorimetry to study interactions of anaesthetic steroids with membrane
T. Mavromoustakos, E. Theodoropoulou and D.-P. Yang (Greece, USA) 65

A distance measurement between specific sites on the cytoplasmic surface of bovine rhodopsin in rod outer segment disk membranes
A.D. Albert, A. Watts, P. Spooner, G. Groebner, J. Young and P.L. Yeagle (USA, UK) 74

Information for Contributors *vii*

Short sequence-paper

Molecular cloning, organization and localization of the gene for the mouse neuropeptide Y-Y5 receptor
M. Nakamura, M. Yokoyama, H. Watanabe and T. Matsumoto (Japan) 83

Regular papers

Manganese transport through human erythrocyte membranes. An EPR study
C.M. Lucaciu, C. Dragu, L. Copăescu and V.V. Morariu (Romania) 90

NADH oxidase activity present on both the external and internal surfaces of soybean plasma membranes
T. DeHahn, R. Barr and D.J. Morré (USA) 99

The functional purification of P-glycoprotein is dependent on maintenance of a lipid–protein interface
R. Callaghan, G. Berridge, D.R. Ferry and C.F. Higgins (UK) 109

Amphipathic peptide affects the lateral domain organization of lipid bilayers
I.V. Polozov, A.I. Polozova, J.G. Molotkovsky and R.M. Epand (Canada, Russia) 125

Binding of dipyridamole to phospholipid vesicles: a fluorescence study
P.M. Nassar, L.E. Almeida and M. Tabak (Brazil) 140

Phosphorylation of T-lymphocyte plasma membrane-associated proteins by ectoprotein kinases: implications for a possible role for ectophosphorylation in T-cell effector functions
F.A. Redegeld, P. Smith, S. Apasov and M.V. Sitkovsky (USA) 151

Hypertonicity-induced alkalinization of rat hepatocytes is not involved in activation of Na^+ conductance or Na^+,K^+-ATPase
F. Wehner, R.K.H. Kinne and H. Tinel (Germany) 166

Characterization of a 22-residue peptide derived from a designed ion channel
S. Seth, P. Balaram and M.K. Mathew (India) 177

Mutational analysis of the C-terminal signal peptide of bovine liver 5′-nucleotidase for GPI anchoring: a study on the significance of the hydrophilic spacer region
Y. Furukawa, K. Tsukamoto and H. Ikezawa (Japan) 185

Effect of water on lamellar structure of DPPC/sugar systems
H. Nagase, H. Ueda and M. Nakagaki (Japan) 197

Arachidonic acid inhibits capacitative calcium entry in rat thymocytes and human neutrophils
S.R. Alonso-Torre and J. García-Sancho (Spain) 207

Overexpression of the sodium ATPase of *Saccharomyces cerevisiae*: conditions for phosphorylation from ATP and P_i
B. Benito, F.J. Quintero and A. Rodríguez-Navarro (Spain) 214

Distinct interactions among GPI-anchored, transmembrane and membrane associated intracellular proteins, and sphingolipids in lymphocyte and endothelial cell plasma membranes
S. Ilangumaran, A. Briol and D.C. Hoessli (Switzerland) 227

Determination of Na^+/Cl^-, Na^+/HCO_3^- and $Na^+/K^+/2Cl^-$ co-transporter activity in corneal endothelial cell plasma membrane vesicles
J.R. Lane, C.G. Wigham and S.A. Hodson (UK) 237

Conducting and voltage-dependent behaviors of the native and purified SR Ca^{2+}-release channels from the canine diaphragm
M. Picher, A. Decrouy, S. Proteau and E. Rousseau (Canada) 243

Lymphatic uptake and biodistribution of liposomes after subcutaneous injection. II. Influence of liposomal size, lipid composition and lipid dose
C. Oussoren, J. Zuidema, D.J.A. Crommelin and G. Storm (The Netherlands) 261

Effect of mercuric ions on human erythrocytes. Relationships between hypotonic swelling and cell aggregation
L. Zolla, G. Lupidi, A. Bellelli and G. Amiconi (Italy) 273

Location of the toxic molecule abietic acid in model membranes by MAS–NMR
J. Villalaín (Spain) 281

Cumulative Contents 291

Author Index 293